

Lareda T15-R

USER'S MANUAL



PRODUCT SAFETY INFORMATION

WARNING!

Please read ALL Safety & Operating Instruction BEFORE using this product.



CAUTION: To avoid the risk of fire or electric shock, please do not expose this product to rain or moisture. Dangerous high voltages are present inside the enclosure. Do not open the cabinet or remove either the front or the back cover. Refer servicing to qualified personnel only.

Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

Insertion Warning & Liquid Spilling

Never insert objects of any kind into this product, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product. The apparatus shall not be exposed to dripping or splashing and that no object filled with liquid, such as vases, shall be placed on the apparatus.

Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. No user serviceable parts inside. Refer all servicing to qualified service personnel.

Heat

The product should be placed away from heat sources, such as radiators, stoves, or other products (including amplifiers) that produce heat.

Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Safety Check

Upon completion of any service repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

INTRODUCTION

Welcome to the Johnson Musical Instruments Corporation and congratulations on choosing our product - The Johnson Loredó hybrid tube amplifier, T15-R. Johnson has put many years of expertise into the sound and design of this product, while still maintaining value and quality. Your “hybrid” amplifier combines the unique tonal character of a tube preamp with the reliability and consistency of a solid-state power section. Please refer to this manual for important information and guidance before operating the unit.

T15-R FEATURES

- Output Power: 15 Watts RMS into 8 Ω AlphaTone 8” Speaker
- Equalizer Controls: Bass, Middle, Treble
- Volume/Gain Controls
- Additional Controls:
 - Accutronics Reverb
 - Footswitch Jack to engage/disengage reverb
 - Headphones Jack
 - Power Switch

PANEL FUNCTIONS AND OPERATING INSTRUCTIONS

(Please refer to *Fig.1* and *Fig. 2* for details)

A. THE FRONT PANEL

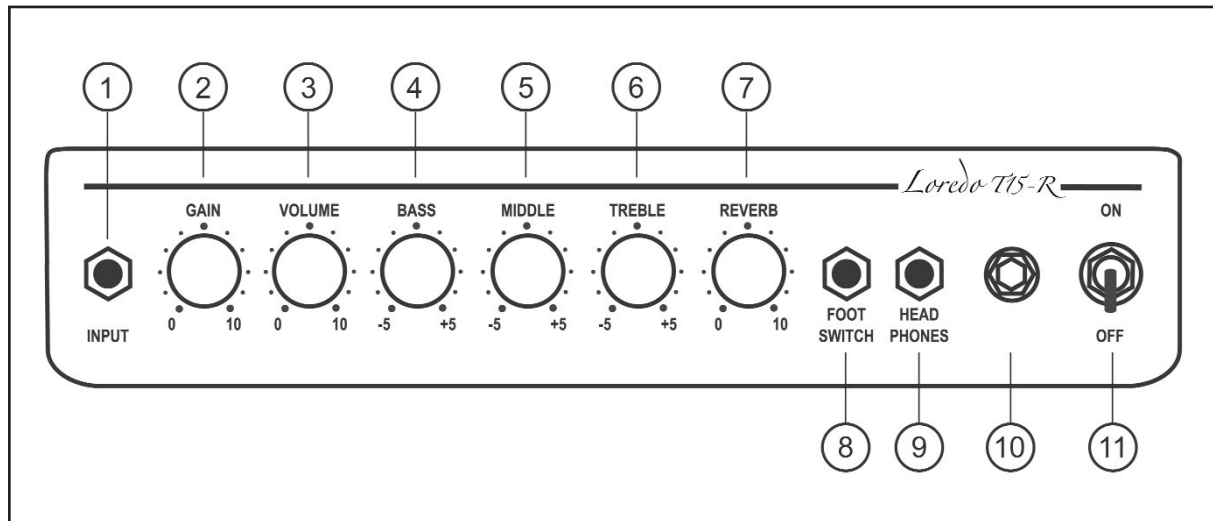


Fig. 1

1. Input: Use to connect the signal output from an electric guitar. (Use a shielded cable with 1/4" mono plug).

2. Gain: Use this control to adjust the preamp level. Higher Gain settings allow more overdrive into the sound.

3. Volume: Overall volume adjustment. Turning this knob clockwise (0-10) increases the overall sound level.

Equalizer/Tone controls (Bass, Middle and Treble)

4. Bass: Use this control to adjust the low frequency level. Turning this knob clockwise to boost the bass tone, counter clockwise to cut the bass tone accordingly. Center position (straight up) provides no cut or boost.

5. Middle: Use this control to adjust the middle frequency level. Turning this knob clockwise to boost the mid tone, counter clockwise to cut the mid tone accordingly. Center position (straight up) provides no cut or boost.

6. Treble: Adjusts the high frequency level. Turning this knob clockwise to boost the treble tone, counter clockwise to cut the treble tone accordingly. Center position (straight up) provides no cut or boost.

7. Reverb: Adjusts the amount of sound reverberation/reflection effect to the guitar's signal.

8. Foot Switch: Controls the Reverb on/off with single button footswitch. (Optional)

9. Headphones: Use this jack to connect headphones to the amplifier. The internal speaker is disengaged when headphones are being used for private listening. (Your ears are valuable! There could be damage to your ears if you listen at high volumes for long periods of time.)

10. LED: LED will be lit when the switch is in the upward position (Power On); LED will be off when the switch is in the downward position (Power Off).

11. Power Toggle Switch: Indicates Power On (Upward position) or Power Off (downward position).

B. THE REAR PANEL

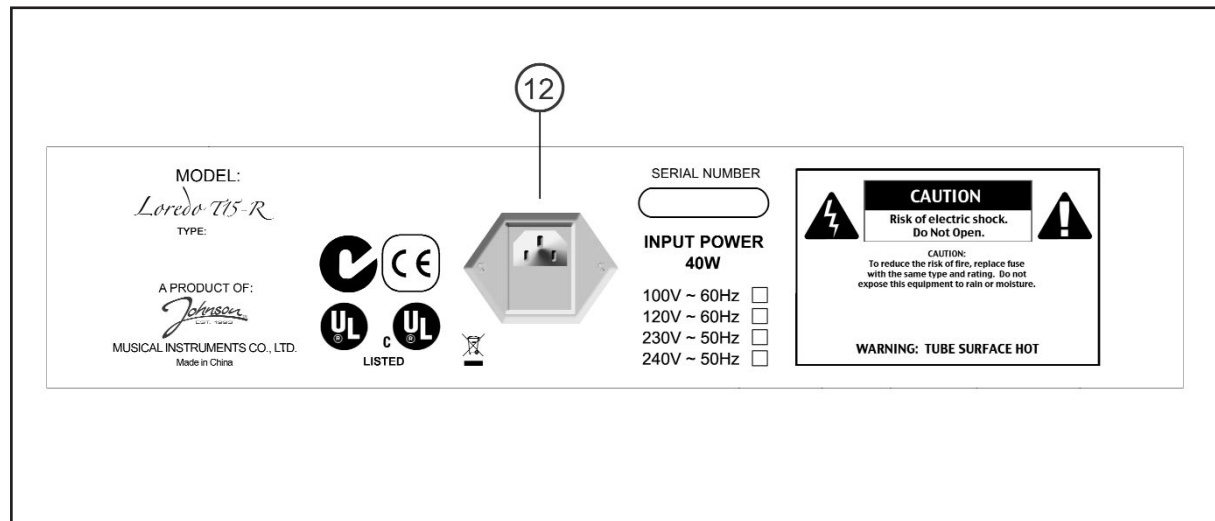


Fig. 2

12. Power IEC Socket/Fuse Holder: Use the included power cord with this unit in accordance with the voltage and frequency ratings listed on this manual and rear panel of this amplifier. The fuse is the amplifier's protection device. In the event of a power malfunction, the fuse will engage, disconnecting the power source and the amplifier, therefore preventing the amplifier from severe damage. If the amplifier shuts down while in use, unplug the amplifier, open the fuse holder, check the fuse and replace if necessary (Replaced fuse must be at the same rating voltages and current). Consult a qualified service technician if problem continues.

TECHNICAL SPECIFICATIONS

Name/Model	Loredo/T15-R
Power Requirements & Consumption	120VAC, 60Hz 100/115VAC, 50/60Hz 220VAC/230VAC/240VAC, 50/60Hz
Total Output Power (RMS)	15W (RMS) into 8 Ω
Frequency Response	130Hz to 16kHz
Sensitivity (Full Gain)	5mV
Signal To Noise Ratio (S/N)	>80dB
Total Harmonic Distortion (%) THD	0.05% THD @ 5 Watts RMS into 8 Ω Load @ 1kHz 0.10% THD @ 15 Watts RMS into 8 Ω Load @ 1kHz
<i>Tone Controls</i>	
Bass (at 150Hz)	+2.5/-3.5dB
Mid (at 1kHz)	+2.5/-6.0dB
Treble (at 10kHz)	+3.5/-7.0dB
Reverb	Accutronics/Johnson Reverb
Jacks	Input: 1/4" Mono Jack with 1M Ω impedance Footswitch: 1/4" Mono Jack Headphones: 1/4" TRS Jack (Mono or Stereo 1/4" Plug will work)
Speaker	8" 8 Ω AlphaTone
Preamp Section	1 x 12AX7WA/7025 Tube
Dimensions (W x H x D):	13.75" x 15" x 8" (35cm x 38cm x 20cm)
Net Weight	21.5 lbs (9.76 kg)

LIMITED WARRANTY INFORMATION

This amplifier is warranted, to the original Purchaser, to be free from defects in material and workmanship for a period of five (5) years, excluding the Tube, which is warranted for ninety (90) days, from the original date of purchase.

The manufacturer shall, at its option, either repair or replace the defective product if the product is returned to the original place of purchase. If any product returned is not defective within this warranty, the manufacturer shall so advise the Purchaser and thereafter shall dispose of said product in accordance with the Purchaser's instructions and at the Purchaser's cost. This warranty is not transferable by the Purchaser.

The warranty shall not apply, if the product has been misused or damaged as a result of neglect, abuse, alteration, improper handling, unauthorized repair or modification, accident or causes external to the product, such as, but not limited to, excessive heat or humidity.

The manufacturer's sole and exclusive maximum liability for any claim by the Purchaser shall not exceed the wholesale value of the product. In no event shall the manufacturer be liable for any indirect, incidental, collateral, exemplary, or consequential damages of losses arising out of the Purchaser's purchase of the product. The above limitations may not apply in some states (U.S.).

"Remember, the idea is to experiment and have fun with your new amplifier. Try different guitars, pickups, and effects devices to come up with exciting and different sounds. Your style and individual tone will come as a result.

-Editor-

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